

Sixty-one volumes of Government publications and 45 maps, either duplicates or not pertaining to the Academy's work, have been returned to the Government Printing Office. It is proposed to dispose in like manner of a large accumulation of State reports, etc., received from Harrisburg.

Seventeen hundred and forty-two volumes have been bound and an additional 157 volumes are now in the hands of the binder. Much the greater part of this work has been devoted to journals and transactions, thus securing a notable improvement in the appearance of this portion of the Library, and adding greatly to the convenience of those consulting it.

Notwithstanding the curtailment in the number of meetings the weekly accessions have been recorded, catalogued and placed for inspection by those interested in them every week as usual. The entries in the card catalogue have been prepared, including the titles of the smallest pamphlets, before the additions are placed in the Library. The entire catalogue is being carefully revised by the Assistant Librarian, to whom I am indebted, as usual, for efficient help during the year.

EDWARD J. NOLAN,  
*Librarian.*

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#### REPORT OF THE CURATORS.

The Curators report that the Museum and collections are in excellent condition, with many additions and advances in the arrangement as well as in the identification of the specimens.

The most conspicuous improvement during the year has been the opening of the new Ornithological gallery, in which more than half the collection of mounted birds—some 6,000 specimens—has been arranged and labelled. The remainder of the collection will be prepared for exhibition and transferred to its new quarters as fast as cases can be procured.

Plate-glass and mahogany cases, providing 4,343 cubic feet of exhibition space, have been erected during the year for birds, mammals, invertebrates and fossils, while Mr. Clarence B. Moore has presented one case for the valuable additions to his archæological collection. A number of storage and herbarium cases have also been provided for the accommodation of various study collections, making in all the greatest advance in the refurnishing of the Museum that has been effected in any one year.

The section of the basement of the new building in which the alcoholic collections are arranged has been materially enlarged to relieve its overcrowded condition. The alcoholic mammals have been entirely rearranged.

Improvements have been made to the steam-heating plant by the addition of radiators in the old building, and the elevator in the new museum has been altered to meet requirements of the municipal laws. An additional watchman has been employed.

Messrs. Henry W. Fowler and James A. G. Rehn have been added during the year to the staff of Museum assistants. Mr. Fowler has made important progress in the rearrangement of the general collection of fishes, but has devoted most of his time to identifying the large Sumatran collection recently received from Mr. Alfred C. Harrison, Jr., and Dr. H. M. Hiller. Mr. Rehn, besides assisting in various departments, has arranged and catalogued the Rhoads collection of mammals, bringing the entire series of the smaller mammalian skins into excellent order.

Details of the year's work will be found in the appended reports of the sections.

Dr. Moore has continued his work on the helminthological collection during the year, and Miss Wardle has made considerable advance in the cataloguing and arranging of the archaeological material.

During the spring Dr. H. A. Pilsbry made a trip through portions of Arkansas, Indian Territory and Texas in the interests of the Academy and secured valuable series of mollusks, reptiles and plants, many of which were new to the collection.

Mr. Clarence B. Moore has continued to add to his unique and comprehensive collection of Indian antiquities from Florida and Georgia. His expedition of last winter proved to be unusually successful and the results make his department one of the most important in the Museum.

Most notable among the many additions to the zoological department was the magnificent collection of mounted anthropoid apes and skeletons presented to the Academy by Dr. Thomas Biddle.

A valuable series of fishes, which fills many gaps in our collection, was presented by the U. S. Fish Commission.

Dr. Henry C. Chapman has added a large number of specimens to the collection of marine invertebrates previously presented by him, and Mr. Joseph Willcox has contributed a notable series of fossil mollusks from Florida.

An extensive series of fossils from the Oligocene marls of Bowden,

Jamaica, has been added to the Isaac Lea collection of Eocene and Oligocene mollusca. This collection now affords facilities for the paleontologist unequalled elsewhere.

Numerous specimens of birds, mammals and reptiles were received from various sources, including the Zoological Society of Philadelphia. These have been prepared in the taxidermical department. A pair of mounted specimens of the wild goat of Persia have been received on deposit from Mr. Lloyd Griseom.

Besides the services rendered by the Museum staff, the Curators are indebted to Dr. Philip P. Calvert, Mr. Erich Daecke and Mr. Carl Femminger for valuable assistance in the Entomological department, as well as to the students of the Jessup Fund, Miss H. N. Wardle, Messrs. J. A. G. Rehn and Raymond Winter.

In importance the museum, research and lecture work of the year exceeds that of any other in the history of the society.

During the year the Mycological Club, Philadelphia Botanical Club, Anti-Tuberculosis Society, Pennsylvania Audubon Society, Delaware Valley Ornithological Club and American Ornithologists' Union have held their meetings in the Hall of the Academy.

The collections of the various departments have been studied during the year by many specialists from other cities who have visited the Academy, while material has been loaned to Paul Bartsch, C. D. Beadle, W. H. Dall, C. H. Eigenmann, D. G. Elliott, E. M. Walker, H. W. Fowler, J. B. Hatcher, J. C. Merriam, G. S. Miller, Jr., H. F. Osborne, C. V. Piper, J. N. Rose, S. N. Rhoads, C. W. Richmond, Robert Ridgway, T. W. Vaughan, Bryant Walker.

HENRY C. CHAPMAN,  
ARTHUR ERWIN BROWN,  
HENRY A. PILSBRY,  
SAMUEL G. DIXON.

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## REPORTS OF THE SECTIONS.

### MINERALOGICAL AND GEOLOGICAL SECTION.

The Section has suffered three peculiarly heavy losses by death this year. Mr. Lewis Woolman died March 13, 1903. He had been for about ten years a highly energetic promoter of the excursions and other activities of the Section. Theodore D. Rand died April 24, 1903. He had been an enthusiastic member and the principal founder